

What is Claimed is:

1. A heat conductive sheet including a substrate and a heat conductive resin layer applied to at least one surface of said substrate, characterized in that said heat conductive resin layer contains a binder resin, and a heat conductive filler dispersed in said binder resin.

2. A heat conductive sheet according to claim 1, wherein said substrate comprises a plastic film, a metal foil or a single spread adhesive film.

3. A heat conductive sheet according to claim 2, wherein said plastic film is a polyolefin film.

4. A heat conductive sheet according to claim 1, wherein said heat conductive resin layer is formed by applying a film-forming resin composition to the surface of said substrate under the state where said substrate is held on a support.

5. A heat conductive sheet according to claim 1, wherein said binder resin comprises at least one resin selected from a silicone gel resin, a urethane resin, a synthetic rubber type resin, and an acrylic thermoplastic resin.

6. A heat conductive sheet according to claim 1, wherein said binder resin comprises at least one of a silicone gel resin and a urethane resin.

7. A heat conductive sheet according to claim 1, wherein said heat conductive filler comprises an inorganic filler.

8. A heat conductive sheet according to claim 1, wherein said heat conductive filler comprises two or more inorganic filler particles having mutually different particle diameters.

9. A heat conductive sheet according to claim 1, wherein said heat conductive filler comprises silicon carbide particles and boron nitride particles.

5 10. A method of producing a heat conductive sheet including a substrate and a heat conductive resin layer applied to at least one surface of said substrate, comprising the steps of:

supporting said substrate by a support;

10 applying a film-forming resin composition containing a binder resin and a heat conductive filler to a non-supporting surface of said substrate to form a heat conductive resin layer; and

separating the resulting heat conductive sheet from said support.